



DEPARTMENT OF THE NAVY

NAVAL AIR SYSTEMS COMMAND
NAVAL AIR SYSTEMS COMMAND HEADQUARTERS
WASHINGTON, DC 20361 -0001

IN REPLY REFER TO
NAVAIRINST 4730.11
AIR-4171
16 Jan 92

NAVAIR INSTRUCTION 4730.11

From: Commander, Naval Air Systems Command

Subj: INSTALLATION, VERIFICATION, AND CERTIFICATION OF AVIATION SUPPORT
EQUIPMENT ABOARD NAVAL SHIPS AND SHORE SITES

Ref: (a) NAVAIRINST 13680.1

Encl: (1) Funding Sources for Installation, Verification, and Certification of
Aviation Support Equipment

1. Purpose. To assign responsibility and establish the agents responsible for scheduling, monitoring, and coordinating aviation support equipment (SE) installation, verification, and certification aboard naval ships, shore sites, and mobile facilities (MF) through liaison with appropriate cognizant authorities.

2. Scope. This instruction applies only to those items of aviation SE under the technical acquisition cognizance of the Naval Air Systems Command Headquarters (NAVAIRHQ) Support Equipment Division (AIR-552) aboard naval ships, shore stations, and MF operating or supporting naval aircraft where such equipment cannot be verified by the shipyard or fleet forces and requires verification and certification prior to operational use. Small, easily removed, or transportable aviation SE, (i.e. scopes, meters, or ancillary test equipment) are excluded. Reference (a) provides for continuing on-site support or rework of support equipment.

3. Information

a. NAVAIRHQ and supporting field activities coordinate the installation of SE and the verification and certification of aviation SE. Certain aviation SE requires specialized technical skills for installation, verification, and certification as a requisite to proper, safe, and effective functional operation. For new aviation SE the initial installation and verification may be accomplished by government or contractor personnel. When the SE is installed, checked by, or under the direction of a contractor, it will be a line item in the SE or aviation system prime contract. However, the government must certify that these services have been performed in a manner satisfactory to the Navy. This requirement may be satisfied by personnel from a naval aviation depot (NAVAVNDEPOT), Naval Air Warfare Center Aircraft Division Lakehurst (NAVAIRWARCENACDIVLKE), or other qualified government activity, working with the Naval Aviation Depot Operations Center and support equipment controlling authorities (SECAs) as appropriate.



0808LD0557920

b. Removal, reinstallation, or replacement of aviation SE in connection with ship, shore, MF repair, alteration, conversion, aircraft complement changes, SE maintenance, overhaul, repair, or modification may require verification and certification.

4. Definitions

a. Installation. Actions necessary to accomplish SE on load, movement to designated space, mounting, and connection to power and cooling services required by NAVAIRWARCENACDIVLKE installation drawings.

b. Verification. Test procedures performed on site to ensure correct installation and proper functioning, according to specification, by demonstration and operation of the equipment within its operational environment.

c. Certification. An official statement attesting to the installation and operation of the equipment to the satisfaction of the Navy.

5. Criteria. Listed below are conditions under which aviation SE requires installation, verification, and certification and cannot be completely installed or verified by the shipyard or fleet forces.

a. New Peculiar Support Equipment/Common Support Equipment (PSE/CSE) or modified CSE in support of aircraft aeronautical systems or equipment currently in production.

b. Existing aviation SE for initial installation to support aeronautical systems.

c. Aviation SE removed and re-installed with or without repair, overhaul, or modification, or replaced with like items of SE repaired or overhauled in place.

d. New or modified PSE installation resulting from aircraft aeronautical system or equipment modification under the Operational Safety Improvement Program.

e. The ship, shore, or MF has undergone repair, alteration, conversion, or other maintenance action, and existing SE was relocated or remained in place but the action affected interface compatibility.

6. Responsibilities

a. NAVAIRHQ

(1) AIR-552 will:

(a) Determine installation significance of newly acquired SE.

(b) Identify new aviation SE that requires verification and certification.

(c) Fund applicable requirements as outlined in enclosure (1).

16 Jan 92

(d) Schedule and fund the initial installation of SE at shipboard, shore, and MF sites, coordinating the verification and certification efforts with AIR-417/418/Program Manager Aircraft (Out of Production Aircraft Support) (PMA)(F) Logistic Managers (LMs); SECAs; NAVAIRWARCENACDIVLKE; Naval Air Warfare Center Weapons Division, Pt Mugu, CA; Naval Air Warfare Center Aircraft Division Indianapolis; or NAVAVNDEPOT Production Support Division, as applicable.

(e) Procure and generate installation data.

(f) Maintain installation data base.

(g) Provide equipment installation data, including power and cooling services schedules, and site activation to the appropriate managers in the NAVAIRHQ Ship and Shore Installation Division AIR-551, AIR-417, Facilities Management Division AIR-422, AIR-418, and PMA(F) Weapon Systems Manager (Out of Production Aircraft Support).

(2) AIR-551 will:

(a) Coordinate and provide aviation SE plans and requirements to the Naval Sea Systems Command Headquarters for shipboard installations.

(b) Coordinate with cognizant program manager(s), acquisition manager(s), logistics manager(s), installation requirements coordinator (NAVAIRWARCENACDIVLKE), etc. regarding shipboard facility for installation and/or verification and certification.

(3) AIR-417 will:

(a) Develop Integrated Logistics Support plans that address installation schedules and availability of requisite logistics support at the operational site.

(b) Determine and coordinate with AIR-552 the availability of existing aviation SE and requisite logistics support. Ensure plans and requirements are provided to AIR-551 and coordinate with NAVAIRWARCENACDIVLKE (Code 524) to establish installation schedules.

(c) For conditions relating to modification, ensure Engineering Change Proposal and Technical Directive submissions address the verification and certification requirement as a logistics action in the Master Index of Repairable modification tracking program.

(d) With AIR-552, determine the availability of, and coordinate and direct the movement of SE. Provide Plan of Action and Milestones for existing aviation SE, SECAs, and NAVAIRWARCENACDIVLKE (Code 51) to meet or establish installation schedules.

(e) Coordinate with AIR-551 and AIR-552 for equipment deliveries to comply with ships construction and fleet modernization schedules in development of equipment delivery, ship construction, and modernization program schedules.

(f) Fund applicable requirements as outlined in enclosure (1).

(g) Task and fund NAVAIRWARCENACDIVLKE Programs and Weapons Systems Management Division of the SE Engineering Department efforts as specified in this instruction.

(4) AIR-422 will:

(a) Coordinate with appropriate shore based activity to ensure facilities are available for equipment installation.

(b) Coordinate with cognizant program manager(s), acquisition manager(s), logistics manager(s), installation requirements coordinator (NAVAIRWARCENACDIVLKE), etc. facility and shore site space availability for installation, verification or certification.

b. Naval Air Systems Command (NAVAIR) Field Activities

(1) Field Activity SE LMs responsibilities parallel NAVAIRHQ (AIR-417) LM responsibilities.

(2) NAVAIRWARCENACDIVLKE will:

(a) Function as NAVAIR agent in coordinating and monitoring the delivery, installation, verification, and certification of new aviation SE and site activations. The Consolidated Air Mix Site Activation Plan program should be utilized for shipboard efforts and the Support Equipment Shore Site Assessment Plan program should be utilized for shore site efforts.

(b) Arrange for assistance as required by technically qualified representatives of other NAVAIR field activities for installation, verification, and certification.

(c) Maintain liaison with cognizant authorities in establishing schedules to provide the technical assistance required to achieve certification based on information provided by logistics managers.

(d) Provide workload and budget requirements to NAVAIR for inclusion in the budgets/spend plan.

(e) Ensure appropriate personnel receive adequate training to remain or become qualified for their tasks.

(f) Prepare and provide instructions, directions, and procedures to perform verification and certification.

(g) Advise NAVAIR SE program manager and SE logistics manager when verification and certification have been successfully completed.

(h) Advise the SECA, site commanding officer, and, when applicable, certify to the cognizant Administrative Procurement Contracting Officer that verification has been successfully accomplished.

c. Naval Activity Performing Verification

(1) Provide qualified technical and/or engineering personnel upon request to perform SE, verification, and certification. Personnel must be thoroughly familiar with and possess expertise in the system and specific SE to be verified.

(2) As necessary, obtain training to allow for technical and engineering personnel to become familiar with and acquire thorough knowledge of the system and specific SE.

(3) Submit discrepancies to assigned NAVAIRWARCENACDIVLKE coordinator, the SECA, site commanding officer, cognizant contracting officer, and contractor personnel.

d. SECAs

(1) When organic capability is declared, task appropriate NAVAVNDEPOT to provide qualified on site field teams to accomplish appropriate installation, verification and certification tasks. These tasks may include providing assistance to other commands or activities.

(2) Provide Level of Effort (LOE) workloading requirements and budget estimates to NAVAVNDEPOTOPSCEN for inclusion in the workload planning management information system.

(3) Provide schedules/timeframe to cognizant activities for requirements to conduct NAVAVNDEPOT installation assists, verification, or certification effort.

(4) Advise NAVAIRWARCENACDIVLKE and the cognizant administrative procurement contracting officer when verification and certification has been successfully completed.

(5) Local activities, where equipment is installed, are to sign for acceptance of the equipment/installation after verification has been completed and certification is given by appropriate activity.

7. Funding. Budget submissions and funding requirements are shown in enclosure (1).



DONALD V. BOECKER
Vice Commander

Distribution: (See next page)

NAVAIRINST 4730.11

16 Jan 92

Distribution: (2 copies each unless otherwise indicated)

SNDL: 24A; 24D; 24J1; 24J2; 29B; 29J2; 31G; 31H; 31J; 32TT; 42; 42D2; 46;
A3; C58; FA5; FA6; FA7; FB6; FB7; FB10; FC4; FC7; FC14; FF1; FF58; FKA1A
(AIR-417, AIR-552); FKA1B; FKA1C; FKA1F; FKA1G; FKM13; FKM15; FKR1A; FKR1C;
FKR2A; FKR3E; FKR6A; FKR6B; FKR7; FR3; FR4; FR5; FT1; FT2; FT5; FT6; FT10;
FT12; FT13; FT16 (Corpus Christi); FT55; FT90; FT91; V3; V4; V5; V6; V22

Copy to: (2 copies each unless otherwise indicated)

SNDL: A3 (OP-514, OP-09B1); A6; C21 (1 copy); FB29 (Subic Bay); FKA1A
(AIR-00D A/L (1 copy), AIR-71232 (10 copies), AIR-71233D (40 copies), AIR-04,
AIR-410, AIR-411, AIR-412, AIR-4171 (20 copies), AIR-421, AIR-05, AIR-551));
FKM27 (NPPSO-NDW); FKP3A; FKR1B

Stocked: Naval Publications and Forms Directorate, Navy Aviation Supply
Office, 5801 Tabor Avenue, Philadelphia, PA 19120-5099

FUNDING SOURCES FOR INSTALLATION, VERIFICATION, AND CERTIFICATION
OF AVIATION SUPPORT EQUIPMENT

	CONTRACTOR*	GOV ACTIVITY
	<u>Effort</u>	<u>Effort</u>
1. New PSE in support of aircraft aeronautical systems or equipment currently in production.	APN 1-4 (AIR-552)**	APN 1-4 (AIR-552)**
2. New or modified PSE resulting from aircraft, aeronautical systems or equipment modification/modernization under Operational Safety Improvement Program	APN 5 (AIR-552)***	APN 5 (AIR-552)***
3. New CSE currently in production and modified CSE.	APN 7 (AIR-552)	APN 7 (AIR-552)
4. Existing PSE or CSE that is obtained from stock and re-installed at the same site or obtained from another site.	OM,N (AIR-417)	OM,N (AIR-417)
5. The Procuring Agent is responsible for funding the Installation of new procurement items using Operation Procurement Navy/Aircraft Procurement Navy (OPN/APN) dollars. Funding for installation will be budgeted at the time of procurement.		
<u>NOTES:</u> *1. Commercial		
**2. Funds provided by appropriate Program Manager Aircraft (PMA) and administered by AIR-552.		
***3. Funds provided by the NAVAIRHQ Configuration Management Office (AIR-102) and administered by AIR-552.		